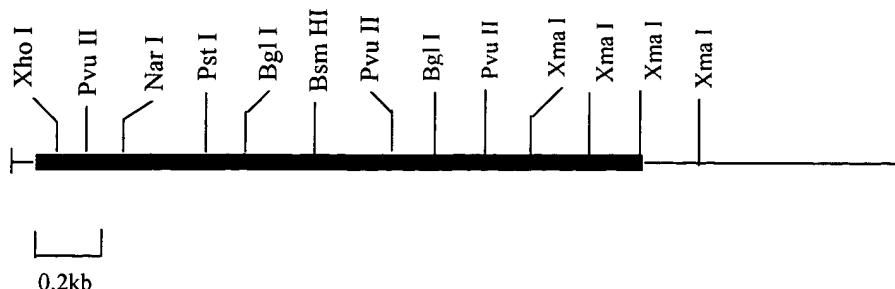




Fig. 1A



-12

39

GG GCG GAC TCT AAA ATG AAT CCC GAT CTG GAC ACC GGC CAC AAC ACA TCA GCA
 M N P D L D T G H N T S A

93

CCT GCC CAA TGG GGA GAG TTG AAA GAT GCC AAC TTC ACT GGC CCC AAC CAG ACC
 P A Q W G E L K D A N F T G P N Q T

147

TCG AGC AAC TCC ACA CTG CCC CAG CTG GAC GTT ACC AGG GCC ATC TCT GTG GGC
 S S N S T L P Q L D V T R A I S V G

201

CTG GTG CTG GGC GCC TTC ATC CTC TTT GCC ATT GTG GGC AAC ATC CTG GTC ATC
 L V L G A F I L F A I V G N I L V I

255

CTG TCA GTG GCC TGC AAT CGG CAC CTG CGG ACG CCC ACC AAC TAC TTC ATT GTC
 L S V A C N R H L R T P T N Y F I V

309

AAC CTG GCC ATT GCT GAC CTG CTG TTG AGT TTC ACA GTC CTG CCC TTC TCC GCT
 N L A I A D L L S F T V L P F S A

363

ACC CTA GAA GTG CTT GGC TAC TGG GTT CTG GGG CGC ATC TTC TGT GAC ATC TGG
 T L E V L G Y W V L G R I F C D I W

417

GCA GCG GTG GAC GTC CTG TGC TGT ACG GCC TCC ATC CTG AGC CTA TGT GCC ATC
 A A V D V L C C T A S I L S L C A I

471

TCC ATT GAT CGC TAC ATT GGG GTG CGC TAC TCT CTG CAG TAC CCC ACT CTG GTC
 S I D R Y I G V R Y S L Q Y P T L V

525

ACC CGC AGG AAG GCC ATC TTG GCA CTC CTC AGT GTG TGG GTT TTG TCC ACG GTC
 T R R K A I L A L L S V W V L S T V

579

ATC TCC ATC GGG CCT CTC CTT GGA TGG AAA GAA CCA GCG CCC AAC GAC GAC AAG
 I S I G P L L G W K E P A P N D D K

633

GAA TGC GGA GTC ACC GAA GAA CCC TTC TAT GCC CTC TTT TCC TCC CTG GGC TCC
 E C G V T E E P F Y A L F S S L G S

687

TTC TAC ATC CCA CTC GCG GTC ATT CTG GTC ATG TAC TGC CGG GTC TAC ATC GTG
 F Y I P L A V I L V M Y C R V Y I V

741

GCC AAG AGG ACC ACC AAG AAC CTG GAG GCT GGA GTC ATG AAG GAG ATG TCC AAC
 A K R T T K N L E A G V M K E M S N

795

Title: MODEL SYSTEMS FOR NEURODEGENERATIVE AND CARDIOVASCULAR DISORDERS

Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

Attorney Docket Number: 26473/04200

Fig. 1B

TCC AAG GAG CTG ACC CTG AGG ATC CAC TCC AAG AAC TTT CAT GAG GAC ACC CTC	
S K E L T L R I H S K N F H E D T L	
peptide 1	
AGC AGT ACC AAG GCC AAG GGC CAC AAC CCC AGG AGT TCC ATA GCT GTC AAA CTT	849
S S T K A K G H N P R S S I A V K L	
903	
TTT AAG TTC TCC AGG GAA AAG AAA GCA GCC AAA ACC TTG GGC ATT GTG GTC GGA	
F K F S R E K K A A K T L G I V V G	
957	
ATG TTC ATC TTG TGT TGG CTC CCC TTC ATC GCT CTC CCA CTT GGG TCC CTG	
M F I L C W L P F F I A L P L G S L	
peptide 2	
TTC TCC ACT CTC AAG CCC CCG GAC GCC GTG TTC AAG GTG GTA TTC TGG CTG GGC	1011
F S T L K P P D A V F K V V F W L G	
1065	
TAC TTC AAC AGC TGC CTG AAC CCC ATC ATC TAC CCG TGC TCC AGC AAG GAG TTC	
Y F N S C L N P I I Y P C S S K E F	
1119	
AAG CGC GCC TTC ATG CGT ATC CTT GGG TGC CAG TGC CGT AGT GGC CGT CGC CGC	
K R A F M R I L G C Q C R S G R R R	
1173	
GCG CGC CGC CGT CTG GGC GCG TGC GCT TAC ACC TAT CGG CCG TGG ACG CGC	
R R R R L G A C A Y T Y R P W T R	
1227	
GGC GGC TCG CTG GAG CGA TCG CAG TCG GGG AAG GAC TCC CTG GAC GAC AGC GGC	
G G S L E R S Q S R K D S L D D S G	
1281	
AGC TGC ATG AGT GGC AGC CAG AGG ACC CTG CCC TCG GCG TCG CCC AGC CCG GGC	
S C M S G S Q R T L P S A S P S P G	
1335	
TAC CTG GGT CGC GGA GCG CAG CCA CCA CTG GAG CTG TGC GCC TAC CCC GAA TGG	
Y L G R G A Q P P L E L C A Y P E W	
1389	
AAA TCC GGG GCT CTG CTC AGT CTG CCA GAG CCT CCG GGT CGC CGC GGT CGC CTC	
K S G A L L S L P E P P S R R G R L	
1443	
GAC TCT GGG CCC CTC TTC ACT TTC AAG CTC TTG GGA GAG CCG GAG AGC CCG GGC	
D S G P L F T F K L L G E P E S P G	
1497	
ACC GAG GGC GAT GCC AGC AAT GGG GGC TGC GAC GCA ACG ACC GAC CTG GCC AAT	
T E G D A S N G G C D A T T D L A N	
1551	
GGG CAG CCC GGT TTC AAG AGC AAC ATG CCT CTG GCA CCC GGG CAC TTT TAG GGT	
G Q P G F K S N M P L A P G H F	
peptide 3	
CCC TTT TCT TTC CCC CAC ACA CAC CCC AGG GGG GAG GAC ACC ATT GTG GGG GGC	1605
GGG GGC ATG GGG GGG AGT GTC AGC CCC GGG TAG ACA CAG GGT CGC AAG GGT ACA	1659
AGG GGG GAG GGG GGC GGG GAG AGG GGC AGC TGC TTT TCT GGC AGG GGC ATG GCT	1713
GCC AGG TAC AGC GGA GAG CTG GCT GCG CAT GCT GAG AGC CTG GGG ACC CAC CCC	1767
CAA CGC TGG CCG GGA CTT AAG TCT CTC TCT CTC TCT CTG TAT ATA TAT AAA	1821
GAG TCC CTC TAT ACG TAT TTA TCT GTG GGT ACA CGT GCG TGT GTC TGT GCG GTG	1875
	1929

Title: **MODEL SYSTEMS FOR NEURODEGENERATIVE AND CARDIOVASCULAR DISORDERS**

Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

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Fig. 1C

AAC GTG TGG GCT GCA TGG ATG TGT GTT GGG GGC CTG CCC ACT TGC GCG TGC TGG
GGC AGA GCG AGT GTG TGC CCT GGC AAT GTC AGG TTT GTT GTT TGT CTC TTG ACT
TGT ACC TCT CAA GCC CCT CCT TGT TCT CTG GTC AAT GCT GGC ATT TTG ATG GGG
TTG GAA ACC AAG TCA GAT ATT AAA AAT CAT TTC TCG TGA AAA AAA AAA AAA

1983

2037

2091

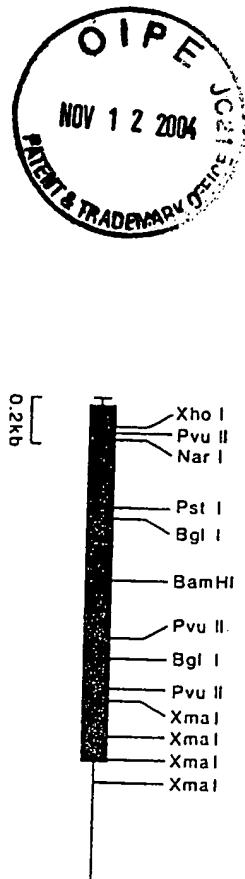


Fig. 1

		peptide 1		peptide 2		peptide 3	
GG	GGC GAC TCT AAA ATG AAT CCC GAT CTG GAC ACC GGC CAC AAC ACA TCA GCA	39	TAC TTC AAC AGC TGC CTC AAC CCC ATC ATC TAC CGG TCC TCC	1065	TTC AAG TTC TCC AGG GAA AAG AAA GCA [GCC] AAA ACC TTG GGC ATT GTG GTC GGA	903	
P	A G W G E L K D A N F T G H N T S A	93	AAG CGC GGC TTC ATG CGT ATC CTT GGG TCC CAG TCC CGT AGT GGC CGC CGT CGT CGC	1119	F K F S R E K K A [A] K T L G I V V G	957	
CCT	GCC CAA TGG GGA GAG TTG AAA GAT GCC AAC TTC ACT GGC CCC AAC CAG ACC	147	CGC CGC CGC CGT CGT CTG GGC GGG TGC GGT TAC ACC ATT GCG CGG TGG AGC GGC	1173	ATG ^{ATG} ATC TIG TAT ^{TG} TGG CTC CCC ^{TC} TCC ATC GCT CTC CCA CTR GGC TCC CIG		
P	A G W G E L K D A N F T G H N T S A	201	GSC GGC TCG CTG GAG CGA TCG CAG TCG CGG AAG GAC TCC CTG GAC GAC AGC GGC	1227	M F I L C W L P F I A L P L G S L		
TCG	AGC AAC TCC ACA CTG CGC CGA CTG GAC GTC ACC AGG GGC ATC TCT GTC GGC	255	AAC TGC ATG AGT GGC AGC CAG AGG ACC CTG CGG CCC TCG GCG TCG CCC AGC CCG GGC	1281	TTC ACT CTC AAG CCC CGG GAC GGC GTG TTC AAG GTG GTC ATC TCC GTC ATC	1011	
S	S N S T L P Q L D V T R A I S V G	309	TAC CTG GGT CGC GGA CGG CAG CCA CCA CTG GAG CTG TGC GCC TAC CCC GAA TGG	1335	F S T L K P P D A V F K V V F W L G		
CIG	CTG CGC ATT GCT GAC CTG CTG TTG AGT TTC ACA GTC CTG CCC TTC TCC GCT	363	AAA TCC GGG GCT CTG CTC AGT CTG CCA GAG CCT CGG GGT CGC CGC GGT CGC CTC	1389			
L	V L G A F I L F A I V G N I L V I	417	GAC TCT GGG CCC CTC TCC ACT TTC AAG CTC TIG GGA GAG CGG GAG AGC CCG GGC	1497			
CTG	TCA GAG GTG CTT GCC TAC TGG GTR CTG GGG CGC ATC TTC TGT GAC ATC TGG	525	ACC GAG GGC GAT GCC AGC ATT GGG GGC TGC GAC GCA AGC ACC GAC CTG GCC ATT	1443			
T	L E V L G Y W V L G R I F C D I W	525	T E G D A S N G G C D A T T D L A N	1497			
ACC	CTA GAA GTG ATT GGC TAC TGG GTR CTG GGG CGC ATC TTC TGT GAC ATC TGG	579	GGG CAG CCC GGT TTC AAG AGC AAC ATG CCT CTG GCA CCC GGG CAC TTT [TAG GGT	1551			
C	A V D V L C T A S I L S L C A I	633	CCC TTT TCT TCC CCC CAC ACA CAC CCC AGG GCG GAG GAC ACC ATT GTG GGC GGC	1605			
GCA	GCG GTG GAC GTC CTC TGT GTC AGC TCC ATC TGT GTC CTC TGT GTC	633	GCG GGC ATG GGG GGG AGT GTC AGC CCC GGG TAG ACA CAG GGT CGC AAG GGT ACA	1659			
G	A A V D V L C T A S I L S L C A I	633	GCC AGG TAC AGC GGA GAG CTG GCT GGG CAT GCT GAG AGC CTG GGG ACC CAC CCC	1713			
TCC	ATT GAT CGC TAC ATT GGG GTG CGC TAC TCT CTG CAG TAC CCC ACT CTG GTC	741	GAG TCC CTC TAT AGC TAT TTA TCT GTC GGT ACA CGT GGC TGT GTC TGT GCG GTC	1767			
S	I D R Y I G V R Y S L Q Y P T L V	741	GGC AGA GGG AGT GTG TGC CCT GGC AAC TGC AGG TTT GTT GGT GGC CTG CCC ACT TGC GCG TGC TGG	1821			
ACC	CGC AGG AAG GCC ATC TTG GCA CTC CTC AGT GAG TGG GTR TTG TCC ACG GTC	741	AAC GTG TGG GCT GCA TGG ATG TGT GGT GGG GGC CTG CCC ACT TGC GCG TGC TGG	1929			
T	R R K A I L A L L S V W V L S T V	741	GAG TCC CTC TAT AGC TAT TTA TCT GTC GGT ACA CGT GGC TGT GTC TGT GCG GTC	1875			
ATC	TCC ATC CGG CCT CTC CTT GGA TGG AAA GAA CCA GCG CCC AAC GAC GAC MAG	741	GGC AGA GGG AGT GTG TGC CCT GGC AAC TGC AGG TTT GTT GGT GGC CTG CCC ACT TGC GCG TGC TGG	1983			
T	S I G P L L G W K E P A P N D D K	741					
GAA	TGC GGA GTC ACC GCA GAA CCC TTC TAT [GCC] CTC TTT TCC TCC CTG GGC TCC	741					
E	C G V T E E P F V A L F S S L G S	687					
TTC	TAC ATC CCA CTC CGG GTC ATT CTG GTC ATG TAC TGC CGG GTC TAC ATC GTC	687					
F	V I P L A V I L V M Y C R V Y I V	687					
GCC	AGG AGG ACC ACC AAG AAC CTG CGA GCT GGA GTC ATG AAG GAG ATG TCC AAC	741					
A	K R T K N L E A G V M K E M S N	741					
TCC	AAG GAG CTG ACC CTG AGG ATC CAC TCC AAG AAC TTT CAT GAG GAC ACC CTC	741					
S	K E L T R I H S K M F H E D T L	741					
AGC AGT ACC AAG GCC AAC GGC AAC CCC AGG AGT TCC ATA GCT GTC ATC CTT	849	TGT ACC TCT CAA GGC CCT CCT TGT TCT CTG GTC ATC GTC ATT GCT GTC ATT TIG CTC TIG ACT	2037				
S S T K A K G H N P R S S I A V K		TTC GAA ...					

peptide 1

AGC AGT ACC AAG GCC AAC GGC AAC CCC AGG AGT TCC ATA GCT GTC ATC CTT

S S T K A K G H N P R S S I A V K

peptide 2

TTC AAG TTC TCC AGG GAA AAG AAA GCA [GCC] AAA ACC TTG GGC ATT GTG GTC GGA

F K F S R E K K A [A] K T L G I V V G

ATG ^{ATG} ATC TIG TAT ^{TG} TGG CTC CCC ^{TC} TCC ATC GCT CTC CCA CTR GGC TCC CIG

M F I L C W L P F I A L P L G S L

TTC ACT CTC AAG CCC CGG GAC GGC GTG TTC AAG GTG GTC ATC TCC GTC ATC

F S T L K P P D A V F K V V F W L G

AAC TGC ATG AGT GGC AGC CAG AGG ACC CTG CGG CCC AGC CCG GGC

1011

TAC CTG GGT CGC GGA CGG CAG CCA CCA CTG GAG CTG TGC GCC TAC CCC GAA TGG

1335

AAA TCC GGG GCT CTG CTC AGT CTG CCA GAG CCT CGG GGT CGC CGC GGT CGC CTC

1389

GAC TCT GGG CCC CTC TCC ACT TTC AAG CTC TIG GGA GAG CGG GAG AGC CCG GGC

1443

ACC GAG GGC GAT GCC AGC ATT GGG GGC TGC GAC GCA AGC ACC GAC CTG GCC ATT

1497

GGG CAG CCC GGT TTC AAG AGC AAC ATG CCT CTG GCA CCC GGG CAC TTT [TAG GGT

1551

CCC TTT TCT TCC CCC CAC ACA CAC CCC AGG GCG GAG GAC ACC ATT GTG GGC GGC

1605

GCG GGC ATG GGG GGG AGT GTC AGC CCC GGG TAG ACA CAG GGT CGC AAG GGT ACA

1659

GCC AGG TAC AGC GGA GAG CTG GCT GGG CAT GCT GAG AGC CTG GGG ACC CAC CCC

1713

GAG TCC CTC TAT AGC TAT TTA TCT GTC GGT ACA CGT GGC TGT GTC TGT GCG GTC

1767

GGC AGA GGG AGT GTG TGC CCT GGC AAC TGC AGG TTT GTT GGT GGC CTG CCC ACT TGC GCG TGC TGG

1821

AAC GTG TGG GCT GCA TGG ATG TGT GGT GGG GGC CTG CCC ACT TGC GCG TGC TGG

1929

GAG TCC CTC TAT AGC TAT TTA TCT GTC GGT ACA CGT GGC TGT GTC TGT GCG GTC

1875

GGC AGA GGG AGT GTG TGC CCT GGC AAC TGC AGG TTT GTT GGT GGC CTG CCC ACT TGC GCG TGC TGG

1983

Fig. 2A

1 TCG ACT GCC CAG TGC CCT TTG CCT CTG CAC CAT CTC CAT GAT CAA
 AGC TGA CGG GTC ACG GGA AAC GGA GAC GTG GTA GAG GTA CTA GTT
 3 9 15 21 27 33 39 45
 46 TGA GCT AAG GTA CCA GGA GCT CCA ACA GGT TCA CAC TAC CAC AAA
 ACT CGA TTC CAT GGT CCT CGA GGT TGT CCA AGT GTG ATG GTG TTT
 91 CCT CAA AAA TAG GCA TCT CTT ATG TTT AAA TCT CTA AAG GCA GCT
 GGA GTT TTT ATC CGT AGA GAA TAC AAA TTT AGA GAT TTC CGT CGA
 136 TAG GTA AGA TAG TTG AAA TGA GGG CAG GGA CTG TTT TCA AAG CTA
 ATC CAT TCT ATC AAC TTT ACT CCC GTC CCT GAC AAA AGT TCC GAT
 181 TCT GAA TCA TTG TTT GTT TGT TTG TTT GTT TGT TAT CTC AGA GAA
 AGA CTT AGT AAC AAA CAA ACA AAC AAA CAA ACA ATA GAG TCT CTT
 226 ACT CCT TAG AAT TGT ATA TTT TGT GCA ACT GGA GAG CTT GTG CCA
 TGA GGA ATC TTA ACA TAT AAA ACA CGT TGA CCT CTC GAA CAC GGT
 271 TTT TTA ATA GGA GAT TAA GGA CCT TAA ACG TAT AGT GGG TGA TAC
 AAA AAT TAT CCT CTA ATT CCT GGA ATT TGC ATA TCA CCC ACT ATG
 316 ATG CTT GTA ACA ACA ACA CTA AGA GGC TGG GAA AAG AGG AAG ATT
 TAC GAA CAT TGT TGT GAT TCT CCG ACC CTT TTC TCC TTC TAA
 361 ATC ATG ATT TTG GGG CCA GCC TGG GCT AAT AAT AAG TTC TAG GCC
 TAG TAC TAA AAC CCC GGT CGG ACC CGA TTA TTA TTC AAG ATC CGG
 406 AGC CTA GGC CCA AGT AAG ACC ATC TCT CAA ACA AGC AAT CAA AGG
 TCG GAT CCG GGT TCA TTC TGG TAG AGA GTT TGT TCG TTA GTT TCC
 451 CTG GAG AGT TGT CTC AGC AGA TAA GGG CAT TTG GTG CTC TTG CAG
 GAC CTC TCA ACA GAG TCG TCT ATT CCC GTA AAC CAC GAG AAC GTC
 496 AGG ACT CGG GTC CAA TTC CCA CCA CCC AAA TGG TGG CTC ACA ACC
 TCC TGA GCC CAG GTT AAG GGT GGT GGG TTT ACC ACC GAG TGT TGG
 541 ATC CCA ACT TCA GCT TCA GAG GAC CCC ATG CCC ATC TGT CAA CTT
 TAG GGT TGA AGT CGA AGT CTC CTG GGG TAC GGG TAG ACA GTT GAA
 586 TCA CAG GCA GCA AAG CAG GCA ATG AAT GTA ATA CTC ACA CGC AAA
 AGT GTC CGT CGT TTC GTC CGT TAC TTA CAT TAT GAG TGT GCG TTT
 631 AAA AAA AAA AAA AAA AAA AAG ACA GTA AAT TAA AAG AAA CAA ATA
 TTT TTT TTT TTT TTC TGT CAT TTA ATT TTC TTT GTT TAT
 676 AAC AAA AAA CGT AAT CTT CTC CAA AAA GTA CAA GCA AAA AGA CTT
 TTG TTT TTT GCA TTA GAA GAG GTT TTT CAT GTT CGT TTT TCT GAA

Title: MODEL SYSTEMS FOR NEURODEGENERATIVE AND CARDIOVASCULAR DISORDERS

Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

Attorney Docket Number: 26473/04200

Fig. 2B

721 CAA AAG CCC AAC TTT AGG CTG AAG AAC TTG CAC AGG AAC CGC CTT
GTT TTC GGG TTG AAA TCC GAC TTC TTG AAC GTG TCC TTG GCG GAA

766 GCA TGG CCC CTG CTT CCT TGC CCC TTA ATC AAA ATA CAG CGA CTA
CGT ACC GGG GAC GAA GGA ACG GGG AAT TAG TTT TAT GTC GCT GAT

811 TCA AAA GCA GAA ATT AGA AGC CTG GGC CAT GGC TTG TGG ACT GGA
AGT TTT CGT CTT TAA TCT TCG GAC CCG GTA CCG AAC ACC TGA CCT

856 AGA AAT GGG TAT CAG GTG TCT CCT TGC AAT TCA GCA GCC ACT GCC
TCT TTA CCC ATA GTC CAC AGA GGA ACG TTA AGT CGT CGG TGA CGG

901 CTG TCC CCT GCC TCA TGT CAC TAG CAT ATG ACT AAC TCT CTG ATC
GAC AGG GGA CGG AGT ACA GTG ATC GTA TAC TGA TTG AGA GAC TAG

946 TAC TGT TTT CTC GTG TGT CCA CAG AGA GCA GTG ATG CCT CTC TCT
ATG ACA AAA GAG CAC ACA GGT GTC TCT CGT CAC TAC GGA GAG AGA

991 CAA AGA CTT GTT AAA GAA AAA TAA AAG AAA ATA AGT AAG CTG GGT
GTT TCT GAA CAA TTT CTT ATT TTC TTT TAT TCA TTC GAC CCA

1036 GTG GTG TCT TAT GCT TGT AAT CCA AGC ACT GGG GAG GTG GGG GCC
CAC CAC AGA ATA CGA ACA TTA GGT TCG TGA CCC CTC CAC CCC CGG

1081 AAC GGA TTT TGG GGT TTG GGA CAA TAT TGG TCT GCA TAG TGA GCT
TTG CCT AAA ACC CCA AAC CCT GTT ATA ACC AGA CGT ATC ACT CGA

1126 CAA GAC CAG TGT GAG CTA CAC AGC AAG AAA AGG GAA GAG AAG AGA
GTT CTG GTC ACA CTC GAT GTG TCG TTC TTT TCC CTT CTC TTC TCT

1171 AGA GAA GAG AAG AGA AGA GAG GAG AGG AGA GGA GAG GAG AGG AGA
TCT CTT CTC TTC TCT CTC TCC TCT CCT CTC TCC TCT

1216 GAG AGA GGA GAG GAG AGG AGA GGA GAG GAG AGG AGG GAG AGG AGA
CTC TCT CCT CTC TCC TCT CCT CTC TCC TCC CTC TCC TCT

1261 GGA GGG GAG AGA AAT AAG TAA ATG TTT GAT GAA CAG TAG GAG CTC
CCT CCC CTC TCT TTA TTC ATT TAC AAA CTA CTT GTC ATC CTC GAG

1306 AGC AAA TGT GGG TTC CTT CCC AGT AGC ACT AAC TTG AGC CCC AAA
TCG TTT ACA CCC AAG GAA GGG TCA TCG TGA TTG AAC TCG GGG TTT

1351 ATG AGC CAT TTA AAA AAA AAG CCC AAG TTA TAA CAT TTA CTC TAT
TAC TCG GTA AAT TTT TTT TTC GGG TTC AAT ATT GTA AAT GAG ATA

1396 CCC CTA TTT TGC TCC TAT AGA AAC GGT GAC TCT TCT ATG GCT CAG
GGG GAT AAA ACG AGG ATA TCT TTG CCA CTG AGA AGA TAC CGA GTC

1441 TAC TCA GCA CTA GAA TAA GGA AAC CCA GTA ATG ACA TTC AAC TCC
ATG AGT CGT GAT CTT ATT CCT TTG GGT CAT TAC TGT AAG TTG AGG

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Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

Attorney Docket Number: 26473/04200

Fig. 2C

1486 AAC TCA CCC TTC CTC TCC TCA ATA GGC ATA TGT ACT TGA AAA AAA
TTG AGT GGG AAG GAG AGG AGT TAT CCG TAT ACA TGA ACT TTT TTT

1531 CGG CTC AAC TCC CTT ATC ACA CGG GTC CCA TCC TCA AAA CAG AAA
GCC GAG TTG AGG GAA TAG TGT GCC CAG GGT AGG AGT TTT GTC TTT

1576 TCA AAA TGA GAC TAG TTC TCT CAT CAA GTC GGG AGA AAA GGC AGC
AGT TTT ACT CTG ATC AAG AGA GTA GTT CAG CCC TCT TTT CCG TCG

1621 ATG AAC GTA GCA CAT GGT CTA GCA TCT AAG TAT TGG GAG ACA GAG
TAC TTG CAT CGT GTA CCA GAT CGT AGA TTC ATA ACC CTC TGT CTC

1666 AAT CTT GAG TTC AAA ACC AAC CTG AAG ACC TTC TTT CTT TTT TTT
TTA GAA CTC AAG TTT TGG TTG GAC TTC TGG AAG AAA GAA AAA AAA

1711 TTT TTT TTT TTT TTT TGA AGA CCT TCT TTC TAA AAA CAA ACA
AAA AAA AAA AAA AAA ACT TCT GGA AGA AAG ATT TTT GTT TGT

1756 AAC AAA CAA ACA AAC AAG AAA ATT CTT CCC TGG TTT GAC TTT TTT
TTG TTT GTT TGT TTG TTC TTT TAA GAA GGG ACC AAA CTG AAA AAA

1801 CTT CTT CCT TTT TGT AAT TAC CCA CCT CTG GAA ATA GGG TTT GTA
GAA GAA GGA AAA ACA TTA ATG GGT GGA GAC CTT TAT CCC AAA CAT

1846 GCC TAA TAG CCT ACA TGT ATA CAA GGC AAT ACA AGA AAA GAG CCA
CGG ATT ATC GGA TGT ACA TAT GTT CCG TTA TGT TCT TTT CTG GGT

1891 ACA GGC AAG ACC CCC CCC AAG TCC CTT CCC CAG GAT TTG GCA
TGT CCG TTC TGG GGG GGG TTC AGG GAA GGG GTC CTA AAC CGT

1936 ATC AGT CCT CAC TCT CTA CTC CCA GAG ATA CAA CTA GCT CCC TCT
TAG TCA GGA GTG AGA GAT GAG GGT CTC TAT GTT GAT CGA GGG AGA

1981 CAC CCT TCC CTC CCT TCC CTC CCT CCC TCC TTC CCT CCT TCC
GTG GGA AGG GAG GGA AGG AGG GAG GAA GGG AGG AAG GGA GGA AGG

2026 CTC CTT CCC TCC CTC CCT CCC TCC TTC CCT CCC TCC CTC AAC
GAG GAA GGG AGG GAG GGA GGG AGG AAG GGA GGG AGG GAG TTG

2071 TAT CTC TTT TAG TGA CAA CCC CAA GCC CCT TCT TAA AAT GTC AAG
ATA GAG AAA ATC ACT GTT GGG GTT CGG GGA AGA ATT TTA CAG TTC

2116 TTC AGC CTA GAG ATG CTG CTC ACT TGG TAG AGT ATG TGC TTG CCT
AAG TCG GAT CTC TAC GAC GAG TGA ACC ATC TCA TAC ACG AAC GGA

2161 AGA ATG CAC GAA GCC CTG AAT TCC ATC CCC AGT ATC AAA TAA ACC
TCT TAC GTG CTT CGG GAC TTA AGG TAG GGG TCA TAG TTT ATT TGG

2206 AAC CAC GGC GGT ACA TGC TTG TAA TTC CAG CAC TCA GGA GGT GGC
TTG GTG CCG CCA TGT ACG AAC ATT AAG GTC GTG AGT CCT CCA CCG

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Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

Attorney Docket Number: 26473/04200

Fig. 2D

2251 CAT AGG AAA ATC AAG AGT TCA AAG GTA TTC TTG TGT TAT ACA GTG
GTA TCC TTT TAG TTC TCA AGT TTC CAT AAG AAC ACA ATA TGT CAC

2296 AGC TGG AGG GCA ACC TGA GCT ACA TCA TAC TCT GTC ATT AAA AAA
TCG ACC TCC CGT TGG ACT CGA TGT AGT ATG AGA CAG TAA TTT TTT

2341 AAA AAA TCC AAT TCA TAT TCT TCC ATA CCC TGG TTG CAT TTC TCT
TTT TTT AGG TTA AGT ATA AGA AGG TAT GGG ACC AAC GTA AAG AGA

2386 GTC CTC AAT TAA TCT TCT CCT AAA CTC CTG TCA TTA GAT GTC TCG
CAG GAG TTA ATT AGA AGA GGA TTT GAG GAC AGT AAT CTA CAG AGC

2431 CTT CAG ATT TTG CTT GTT TGA TAA GCT TCC ACT TGC CGG TCA GGA
GAA GTC TAA AAC GAA CAA ACT ATT CGA AGG TGA ACG GCC AGT CCT

2476 ATC TGG GTA CCC TTC TAA CTG TTG GAG AAC AGT GCC TAG AAT GGA
TAG ACC CAT GGG AAG ATT GAC AAC CTC TTG TCA CGG ATC TTA CCT

2521 GCC ACT GGC CTG GAG GTG GAC ATT AAC AAT CCA CTG AAG GAA TGT
CGG TGA CCG GAC CTC CAC CTG TAA TTG TTA GGT GAC TTC CTT ACA

2566 GTG CAG GGA ATA ACT GAA CGA ATG AAT GAG CAA CAG AAG TTT CTA
CAC GTC CCT TAT TGA CTT GCT TAC TTA CTC GTT GTC TTC AAA GAT

2611 GGT TTT ATC AAG GCC AAA GAG GTT GCA AGG GGG AAC TAA AGT ATA
CCA AAA TAG TTC CGG TTT CTC CAA CGT TCC CCC TTG ATT TCA TAT

2656 GCG CTG GTC TCA GAT GTG ACT CAA GTC TCT GTC ACC TGC CTA ACG
GCG GAC CAG AGT CTA CAC TGA GTT CAG AGA CAG TGG ACG GAT TGC

2701 CAG GGA TTT TCT TCC TTT TGT AGA AGC CAG TTG TGT AGA AGT TGC
GTC CCT AAA AGA AGG AAA ACA TCT TCG GTC AAC ACA TCT TCA ACG

2746 ACA TCT CTC TGA ACC CAT GGC TTG ACT CCA GGA GCC CCC ATT AGA
TGT AGA GAG ACT TGG GTA CCG AAC TGA GGT CCT CGG GGG TAA TCT

2791 GGT AAG CAT CCC CAC CCT ACC TTT TAA CTG AAG CGT GAA CAG GGG
CCA TTC GTA GGG GTG GGA TGG AAA ATT GAC TTC GCA CTT GTC CCC

2836 GAA AAA ATA ATC CCA GCG GGC CCC CTG GGG TGT ATG AAC CGG GAT
CTT TTT TAT TAG GGT CGC CCG GGG GAC CCC ACA TAC TTG GCC CTA

2881 GCC CAC ACC CGG ATC CCC TGC TCT GCT CCC CGC CCC ATC CCC GCA
CGG GTG TGG GCC TAG GGG ACG AGA CGA GGG GCG GGG TAG GGG CGT

2926 GAG GGA GCG GTG CCG GGC GCG GCA GGT CTC CAA GCC GAC TAG GCT
CTC CCT CGC CAC GGC CCG CGC CGT CCA GAG GTT CGG CTG ATC CGA

2971 GGC GCT GGC GTC GGG GCT GCG CTC CTT GGC TGG ACC CGC ATT GCC
CCG CGA CCG CAG CCC CGA CGC GAG GAA CCG ACC TGG GCG TAA CGG

Title: MODEL SYSTEMS FOR NEURODEGENERATIVE AND CARDIOVASCULAR DISORDERS

Inventors Name: Perez, et al.; Application Serial No.: 10/052,589

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Fig. 2E

3016 CCC TAG TGC CGC ACA GAG TCA GGG CGC CCG GGC TTC CCC GCC TGA
GGG ATC ACG GCG TGT CTC AGT CCC GCG GGC CCG AAG GGG CGG ACT

3061 TGT CAC CGC CGT GCA GTC AGC CCA GAG GCG GCT CAT TGA AAG CAG
ACA GTG GCG GCA CGT CAG TCG GGT CTC CGC CGA GTA ACT TTC GTC

3106 ACC CGC CGC GGG CCG GGC ACA GCC GGG CAC CCC CGG CCC GGC GCC
TGG GCG GCG CCC GGC CCG TGT CGG CCC GTG GGG GCC GGG CCG CGG

3151 GCG TCC TCC CCG CGC TCC CGC GCC AGC CCG GCC AGG CGC GCC TGA
GCG AGG AGG GGC GCG AGG GCG CGG TCG GGC CGG TCC CGC CGG ACT

3196 CGT GGA CCA TTA AAC TTG GAG CTC CCG CCT CGT CCC CTC TCT CCT
GCA CCT GGT AAT TTG AAC CTC GAC GGC GGA GCA GGG GAG AGA GGA
Seq. # 2 sense →

3241 CCT CCT CCC TCT GAC AGG CGA GCG AGC CGC TGG GTG CAG GCA GGC
GGA GGA GGG AGA CTG TCC GCT CGC TCG GCG ACC CAC GTC CTT CCG

3286 GAG GTG CTG CCG GGC TAG GCT GCC CGG GGG AGA TGA CTT CTC GCC
CTG CAC GAC GGC CCG ATC CGA CGG GCC CCC TCT ACT GAA GAG CGG
Promoter Seq. # 1 sense →

3336 AGG AGG ACG CCT CTG GAA AGA AGA CCA CGG AGG GAG CAA AGT TTC
TCC TCC TGC GGA GAC CTT TCT GGT GCC TCC CTC GTT TCA AAG

3376 AGG GCA GCT GAG GAG CTT TGG TCG CAG CCC TTC CGA GCC CAA TCT
TCC CGT CGA CTC CTC GAA ACC AGC GTC GGG AAG GCT CGG GTT AGA

PVU II

3421 CCT CCC TGG CTA TGG AGG GCG GAC TTT AAA ATG
GGA GGG ACC GAT ACC TCC CGC CTG AAA TTT TAC